

Datasheet: MPP024

BATCH NUMBER 158035

Description:	CLOSTRIDIUM DIFFICILE TOXOID B
Name:	CLOSTRIDIUM DIFFICILE TOXOID B
Format:	Purified
Product Type:	Antigen
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Inactivated toxoid derived from purified <i>Clostridium difficile</i> Toxin B - lyophilized
Reconstitution	Reconstitute with 250 µl distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
Preparation	Inactivated using formaldehyde. No cell rounding in the sensitive verocytotoxicity assay at 2 µg/ml compared to active toxin lethal dose of 4 pg/ml.
Buffer Solution	0.05M HEPES, 0.15M NaCl, 5% Sucrose
Preservative Stabilisers	None present
Approx. Protein Concentrations	0.2 mg/ml after reconstitution
Product Information	<i>Clostridium difficile</i> is a gram-positive bacteria naturally present in the gut of some

children and very few adults. Occasionally, the use of antibiotics to treat other infections may lead to *C. difficile* infection and severe diarrhoea and fever. Symptoms are caused by toxin A (an enterotoxin) and toxin B (a cytotoxin).

MPP024 is a highly purified, non toxic preparation derived from *Clostridium difficile* Toxin B. Antigenicity of this preparation is maintained to be no less than 90% of original toxin strength as measured by direct ELISA.

For a preparation of Toxoid A, see [MPP022](#).

Purity >95% by SDS-PAGE

Storage Prior to reconstitution store at +4°C.
After reconstitution store at +4°C or at -20°C for long-term storage.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

Guarantee 1 month from date of reconstitution if stored at +4°C

Health And Safety Information Material Safety Datasheet documentation #10505 available at:
<https://www.bio-rad-antibodies.com/SDS/MPP024>
10505

Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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